Philips
Flash audio video player

512MB*

SA3104

Your digital music on the move

with photos and video playback

Enjoy up to 10 hours of your MP3 and WMA music with the Philips SA31XX. View photos and watch your favorite movie clips on the 1.8" color screen.

Enjoy music - anytime, anyplace

- MP3 and WMA playback
- Voice recording to take notes or record anything, anytime
- More music with Digital FM Radio with 10 station presets

Photos and videos at your fingertips

- Watch your favorite movie clips on the go*
- 1.8" LCD color display for easy navigation and photo viewing
- Supports video files up to QQVGA (160x128 pixels) resolution
- Philips Video Converter software to convert your video files

Your music and pictures on the go, every day

- Enjoy up to 10 hours of music playback*
- Fast downloads from your PC via USB 2.0*

PHILIPS

sense and simplicity

Flash audio video player
512MB*

SA3104/02

Specifications

Picture/Display
- Backlight
- Lines of text: 7
- Resolution: QQVGA, 160 x 128 pixels, 65K colours
- Type: LCD
- Diagonal screen size (inch): 1.8 inch

Sound
- Channel separation: 40 dB
- Equalizer settings: Classic, Jazz, Rock, Dance, Funk, Hip Hop
- Frequency response: 80 - 18k Hz
- Signal to noise ratio: > 80 dB
- Output Power: 2 x 3mW
- THD: 1%

Audio Playback
- Compression format: MP3, WMA
- ID3 Tag support: Album title and artist name
- MP3 bit rates: 8-320 kbps and VBR
- MP3 sample rates: 8, 11.025, 16, 22.050, 24, 32, 44.1, 48 kHz
- WMA bit rates: 5-192 kbps
- WMA sample rates: 8, 11.025, 16, 22.050, 32, 44.1, 48 kHz

Audio Capturing
- Audio file format: WAV
- Built-in microphone: mono
- Voice recording: ADPCM

Storage Media
- Built-in memory capacity: 512 MB
- Built-in memory type: NAND Flash
- Mass storage class compliant
- Music memory capacity, WMA: Up to 220 tracks*

Tuner/Reception/Transmission
- Tuner Bands: FM
- Station presets: 10

Connectivity
- Headphone: 3.5 mm
- USB: Full speed USB 2.0

Convenience
- Firmware upgradeable
- Function: Keypad lock
- Battery charging indication: On User Interface
- Battery low indication
- SuperPlay
- Volume control

Accessories
- CD-ROM: Yes , with IFU, Device Manager, Video Converter & Windows Media Player
- Headphones: AY3812
- Printed User Guide
- USB cable: AY3930

Software
- Device manager: to restore and upgrade
- Media Converter for Philips: Converts following format to player : Window media video

Green Specifications
- Lead-free soldered product

System Requirements
- CD-ROM drive
- Internet connection: Yes (for access to updated support documents, manuals, future firmware and PC software upgrades)
- PC OS: Windows XP, ME, 2000
- USB: Free USB port

Dimensions
- Blister dimensions (WxDxH): 135 x 39 x 195 mm
- Packaging type: Clamshell
- Product dimensions (WxDxH): 79.6 x 42 x 11.9 mm
- Product weight: 0.048 kg

Power
- Battery capacity: 310mAh
- Battery Type: LI-Polymer
- Playtime on internal battery: Up to 10 hours audio or 2 hours video
- Rechargeable: Yes, via USB

Still Picture Playback
- Picture compression format: JPEG
- Slide show

Video Playback
- SMV: Upto 450kbps, 160 x 128 , 11fps (Other video formats supported by using provided converter software)

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